

**What Is Claimed Is:**

1       1. A system of device information management,  
2 comprising:

3           an application device including a RAM (Random-Access  
4           Memory); and  
5           a BIOS (Basic Input/Output System) ROM (Read-Only Memory)  
6           including a BIOS and implementing a specific data  
7           structure to store device information for said  
8           application device.

1       2. The system of device information management as claimed  
2 in claim 1, wherein when said computer system boots, said BIOS  
3 reads device information, and writes into said RAM.

1       3. The system of device information management as claimed  
2 in claim 2, wherein said application device loads device  
3 information from said RAM.

1       4. The system of device information management as claimed  
2 in claim 1 further comprising a device driver corresponding to  
3 said application device to update device information in said BIOS  
4 ROM using a standard function call.

1       5. The system of device information management as claimed  
2 in claim 4, wherein said BIOS writes said updated device  
3 information into said RAM.

1       6. The system of device information management as claimed  
2 in claim 5, wherein said application device loads said updated  
3 device information from said RAM.

1       7. The system of device information management as claimed  
2 in claim 1, wherein said specific data structure is a DMI (Desktop  
3 Management Interface) data structure.

1       8. The system of device information management as claimed  
2 in claim 4, wherein said standard function call is a BIOS PNP  
3 (Plug and Play) function call.

1       9. The system of device information management as claimed  
2 in claim 1, wherein said application device is a LAN (Local Area  
3 Network) chip.

1       10. The system of device information management as claimed  
2 in claim 1, wherein said application device is an IEEE 1394 chip.

1       11. The system of device information management as claimed  
2 in claim 1, wherein device information is a PHY ID (Physical  
3 Identification).

1       12. The system of device information management as claimed  
2 in claim 1, wherein device information is a MAC (Media Access  
3 Control) address.

1       13. A method of device information management, comprising  
2 steps of:

3           providing an application device including a RAM  
4           (Random-Access Memory);  
5           providing a BIOS (Basic Input/Output System) ROM (Read-Only  
6           Memory) including a BIOS; and  
7           implementing a specific data structure to said BIOS ROM to  
8           store device information of said application device.

1           14. The method of device information management as claimed  
2 in claim 13 further comprising reading of device information,  
3 and writing thereof to said RAM by said BIOS when said computer  
4 system boots.

1           15. The method of device information management as claimed  
2 in claim 14 further comprising loading of device information from  
3 said RAM by said application device.

1           16. The method of device information management as claimed  
2 in claim 13 further comprising update of device information in  
3 said BIOS ROM using a standard function call by a device driver  
4 corresponding to said application device.

1           17. The method of device information management as claimed  
2 in claim 16 further comprising writing of said updated device  
3 information to said RAM by said BIOS.

1           18. The method of device information management as claimed  
2 in claim 17 further comprising loading of said updated device  
3 information from said RAM by said application device.

1           19. The method of device information management as claimed  
2 in claim 13, wherein said specific data structure is a DMI  
3 (Desktop Management Interface) data structure.

1           20. The method of device information management as claimed  
2 in claim 16, wherein said standard function call is a BIOS PNP  
3 (Plug and Play) function call.

1           21. The method of device information management as claimed  
2    in claim 13, wherein said application device is a LAN (Local Area  
3    Network) chip.

1           22. The method of device information management as claimed  
2    in claim 13, wherein said application device is an IEEE 1394 chip.

1           23. The method of device information management as claimed  
2    in claim 13, wherein device information is a PHY ID (Physical  
3    Identification).

1           24. The method of device information management as claimed  
2    in claim 13, wherein device information is a MAC (Media Access  
3    Control) address.